

DESCRIPTIVE SUMMARY

This is a processing circuit for a spectrometry chain including a particle radiation
5 detector (21), including a charge preamplifier stage
(20) receiving a current (I1) from the detector,
representative of the amount of charges emitted by a
particle which has interacted with the detector, and an
integrator stage (26). A differentiator stage (25) is
10 connected between the charge preamplifier stage (20)
and the integrator stage (26), the differentiator stage
(25) receiving a signal (V1) from the charge
preamplifier stage (20) and delivering to the
integrator stage (26), a signal (V2), image of the
15 detector current (I1), the integrator stage (26)
delivering, an image (V3) of the amount of charges
emitted by a particle which has interacted with the
detector.

Application notably to the high energy
20 single channel probes.

Fig. 4.

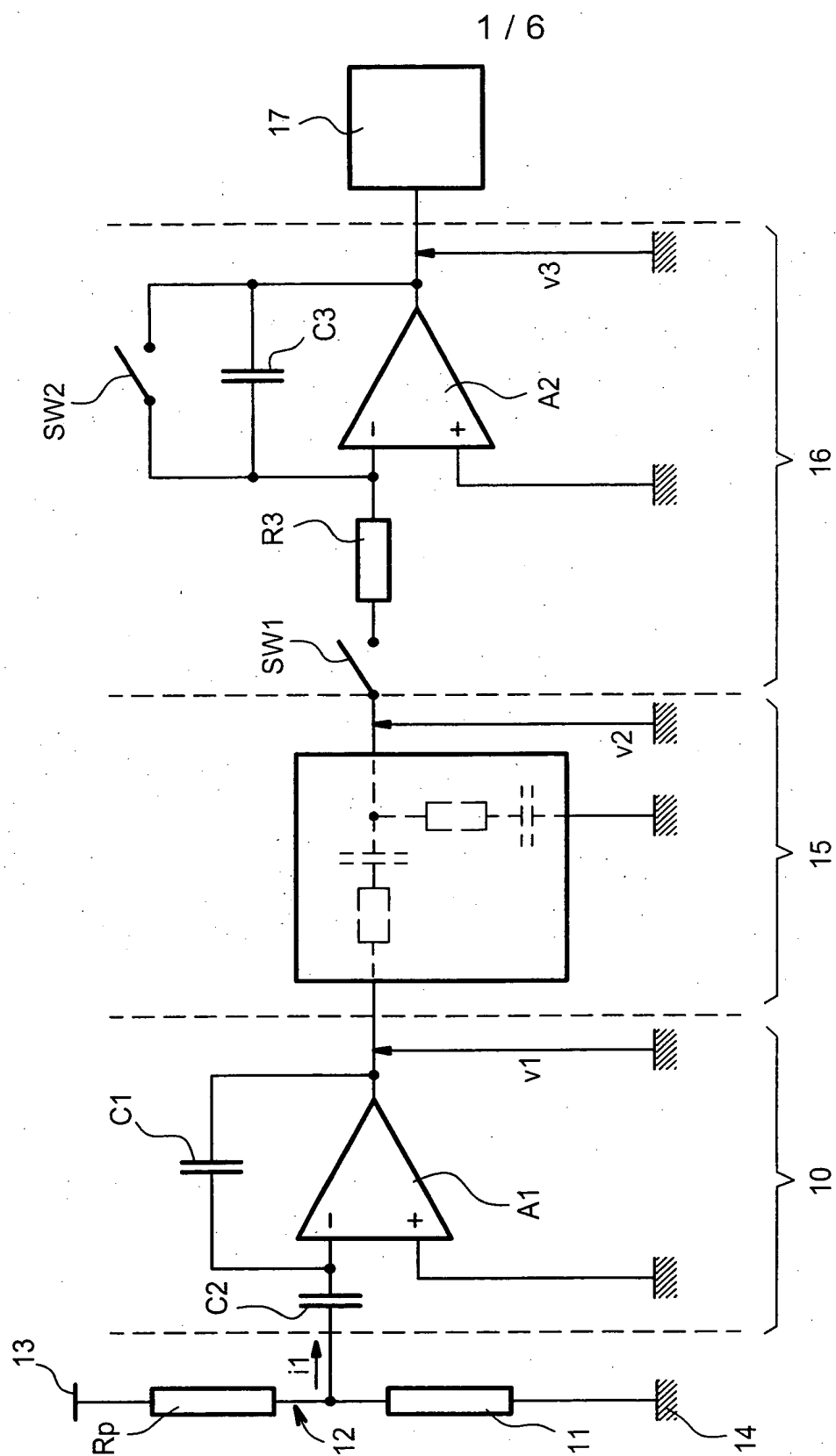


FIG. 1

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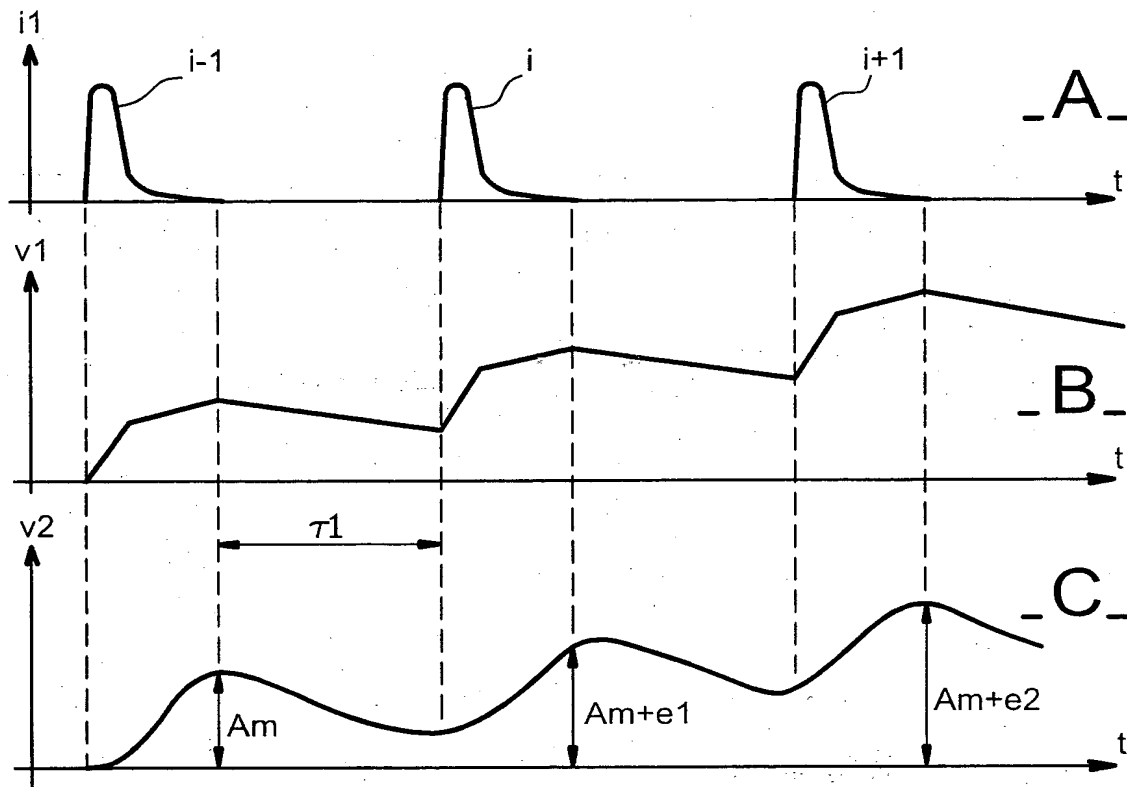


FIG. 2

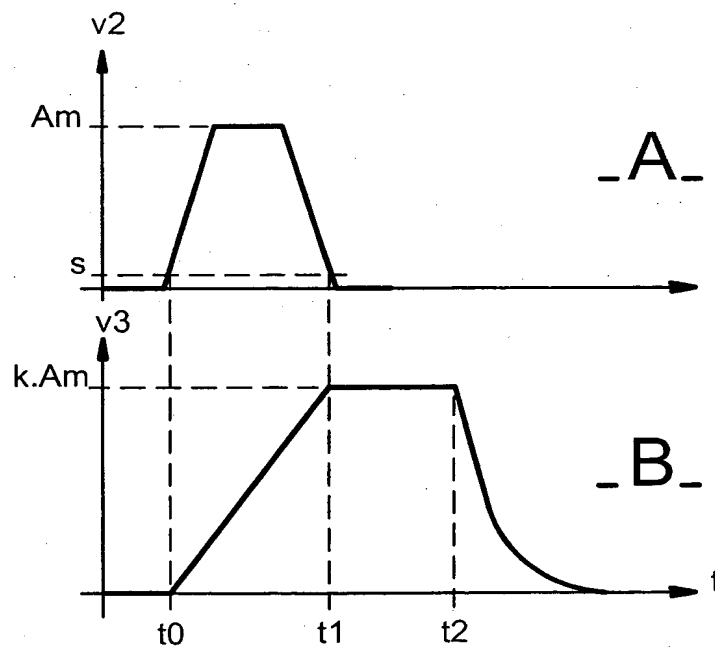


FIG. 3

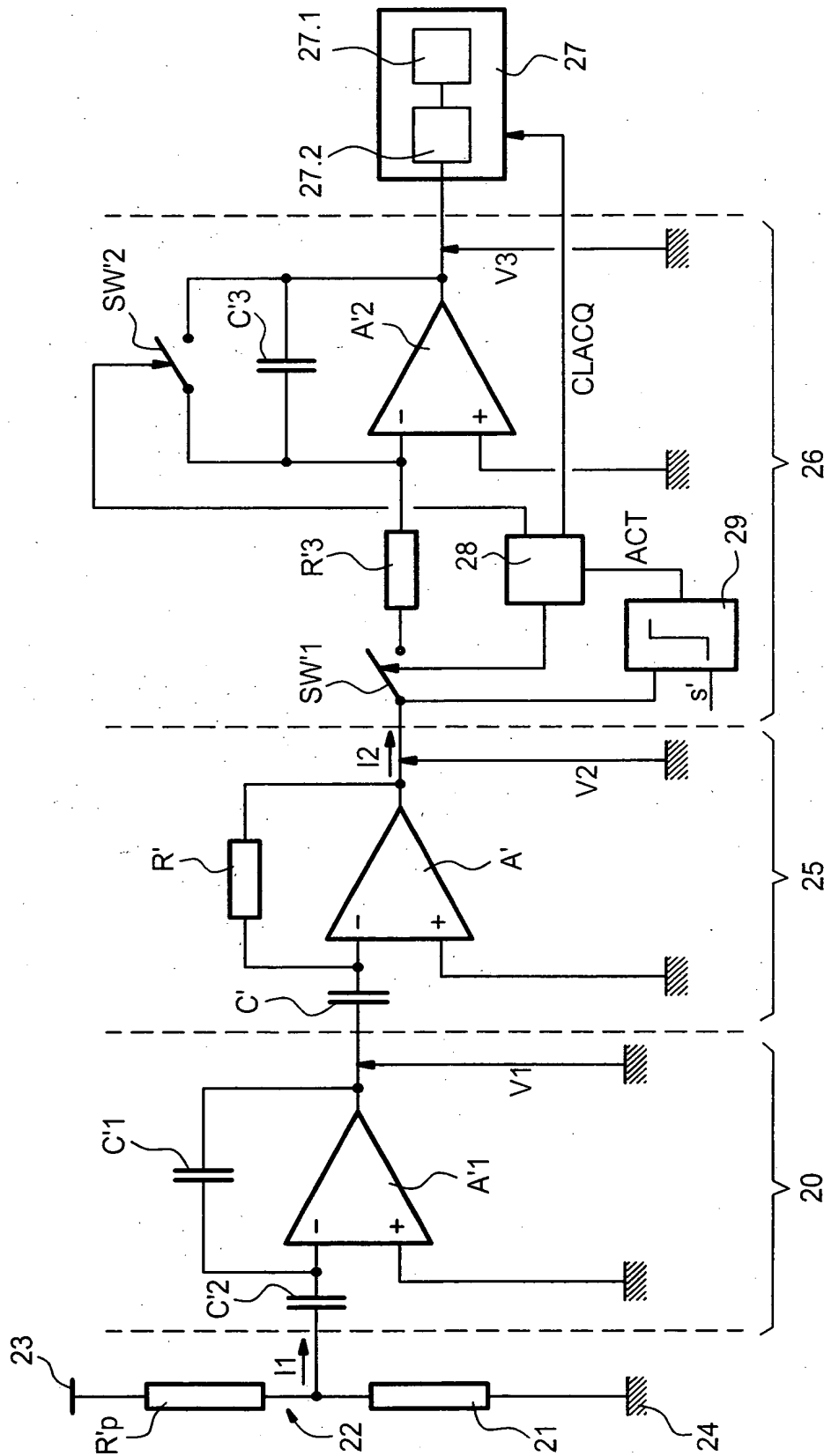


FIG. 4

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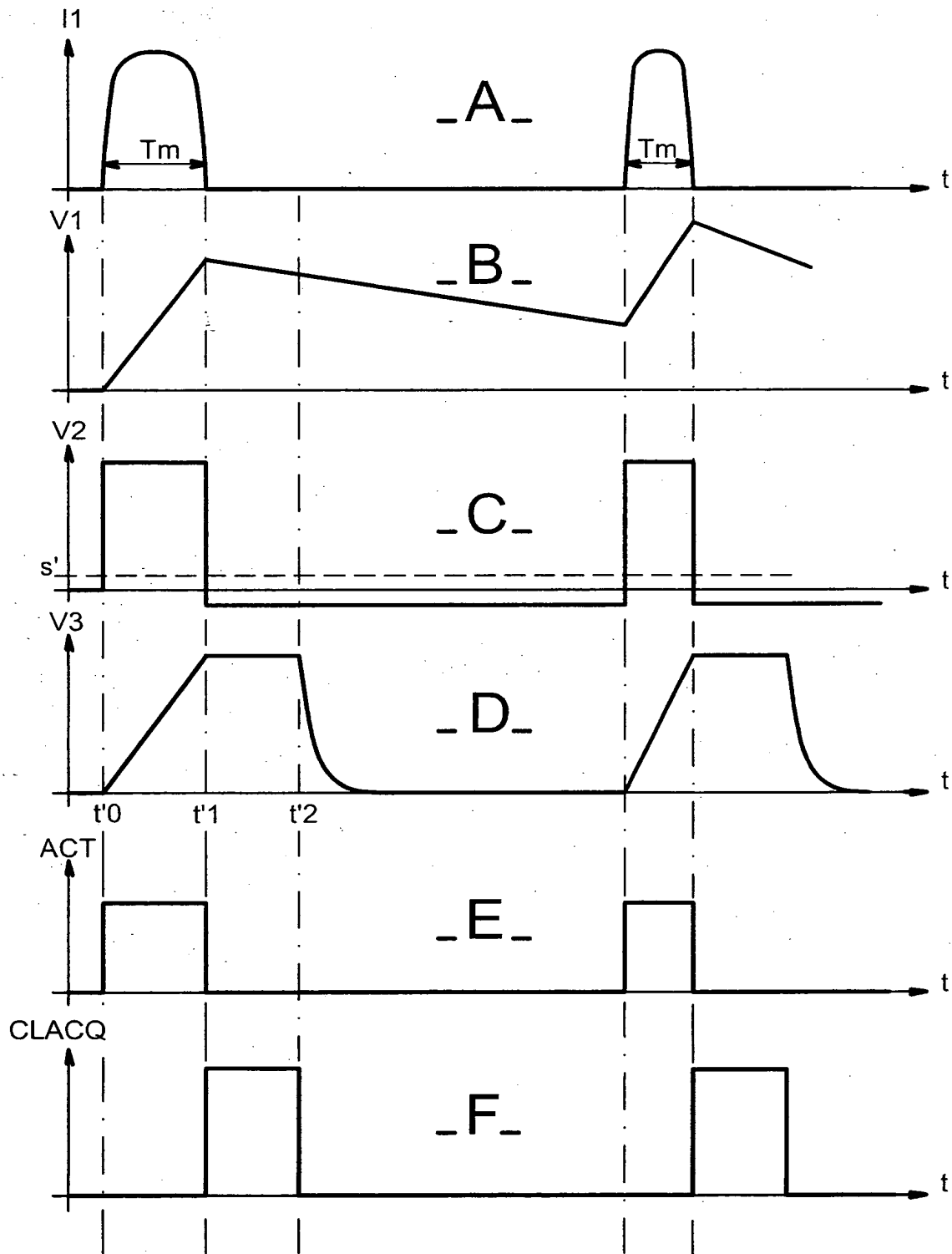


FIG. 5

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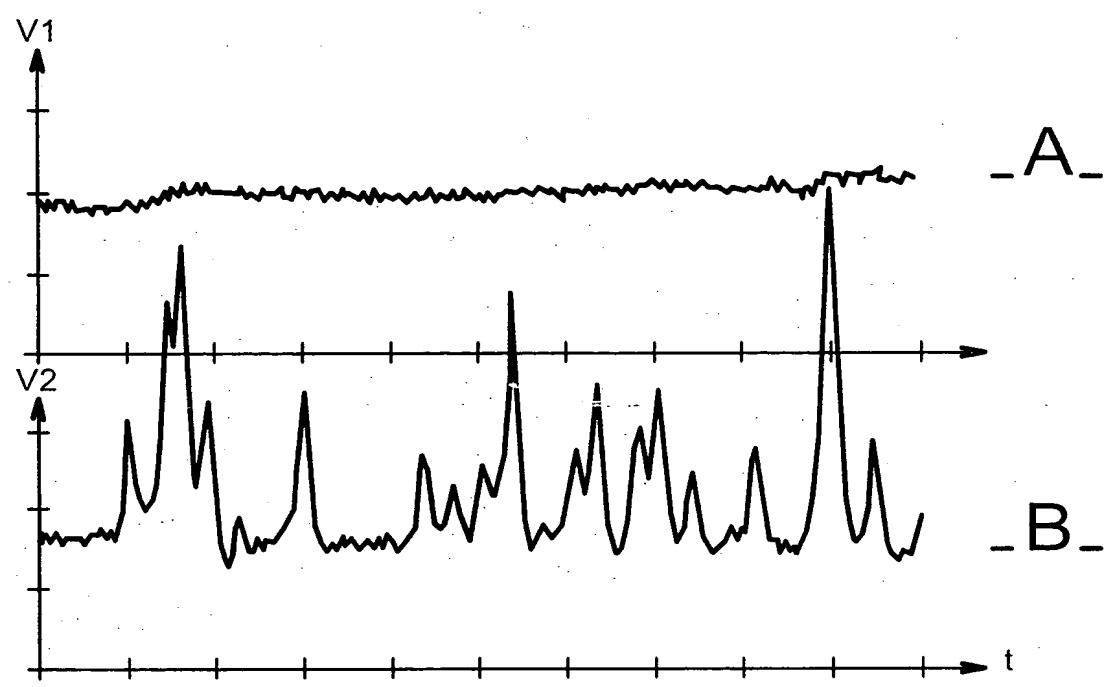


FIG. 6

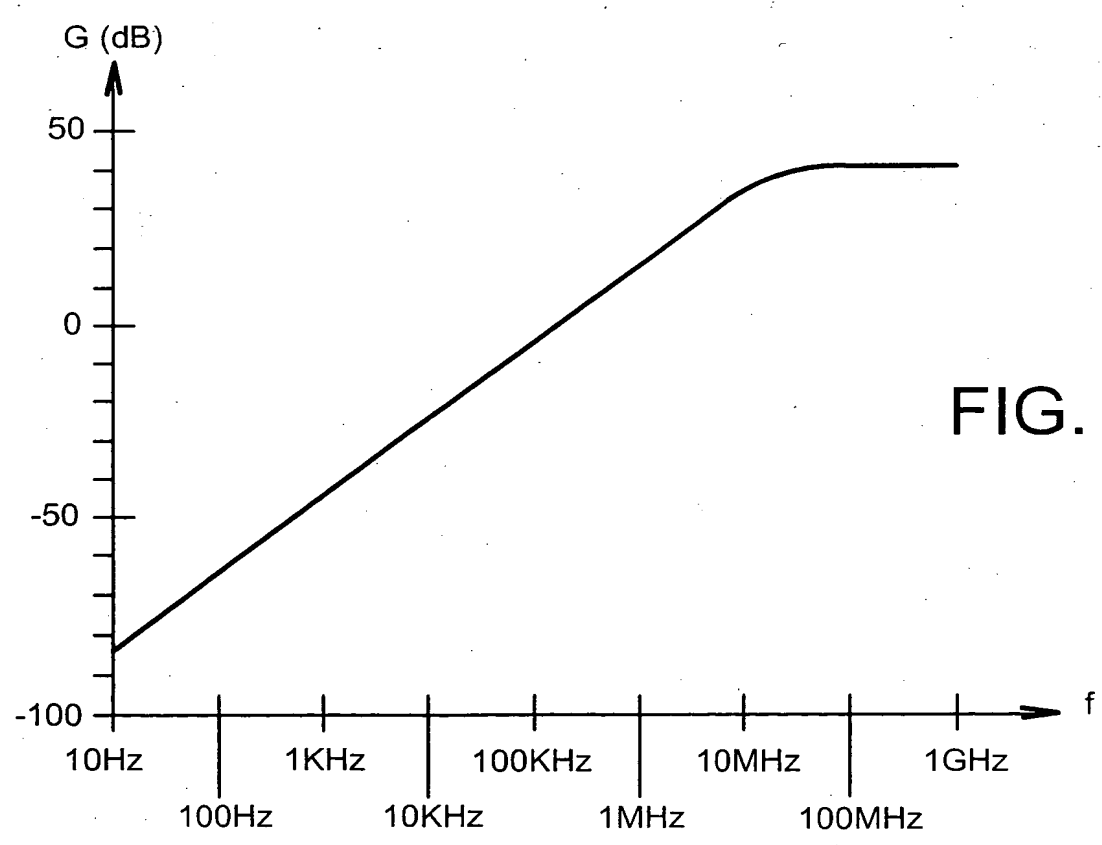


FIG. 7

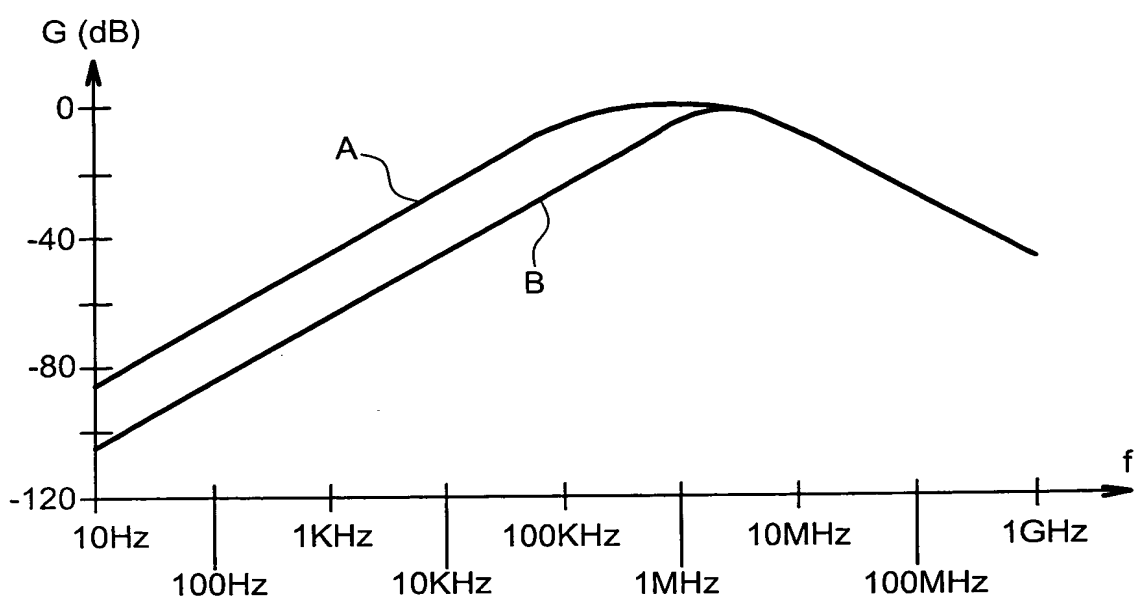


FIG. 8

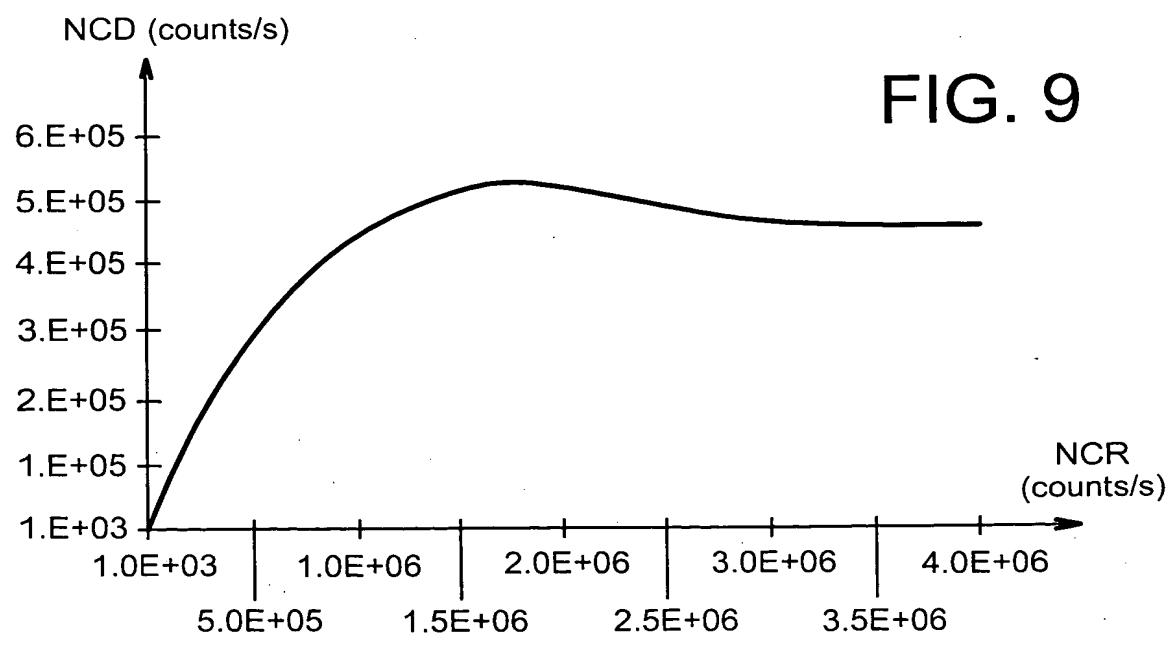


FIG. 9